

May 27, 1987

TO: File

FROM: Frank Jensen, Soils Reclamation Specialist *Frank Jensen*

RE: Southwest Portland Cement, Navajo Sandstone Quarry,
ACT/023/010

On March 2, 1987, the Division approved the subject permit but noted that a vegetation survey to determine ground cover was necessary.

On May 14, 1987, Terry Kerby, of the company, and I ran a vegetation transect on the north side of the quarry. This area was considered to be like the disturbed area of the quarry.

The result of the transect is as follows:

Ground Cover

Vegetation	Percentage
Bluebunch wheatgrass	13
Bluegrass (Poe spp.)	2
Big sagebrush	6
Bitterbrush	2
Cliffrose	1
Small rabbitbrush	<u>1</u>
Total ground cover*	25
Litter	9
Rock & pavement	29
Bare ground	<u>37</u>
	100

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*Note: There is also an overstory of Utah juniper of approximately five percent which was not counted as ground cover.

With a vegetative ground cover of 25 percent, reclamation efforts will need to reestablish 18 percent ground cover (70 percent of original). This shouldn't be hard to do if some suitable soil material is put back on the disturbed areas and it is seeded properly. Photos of the area follow:



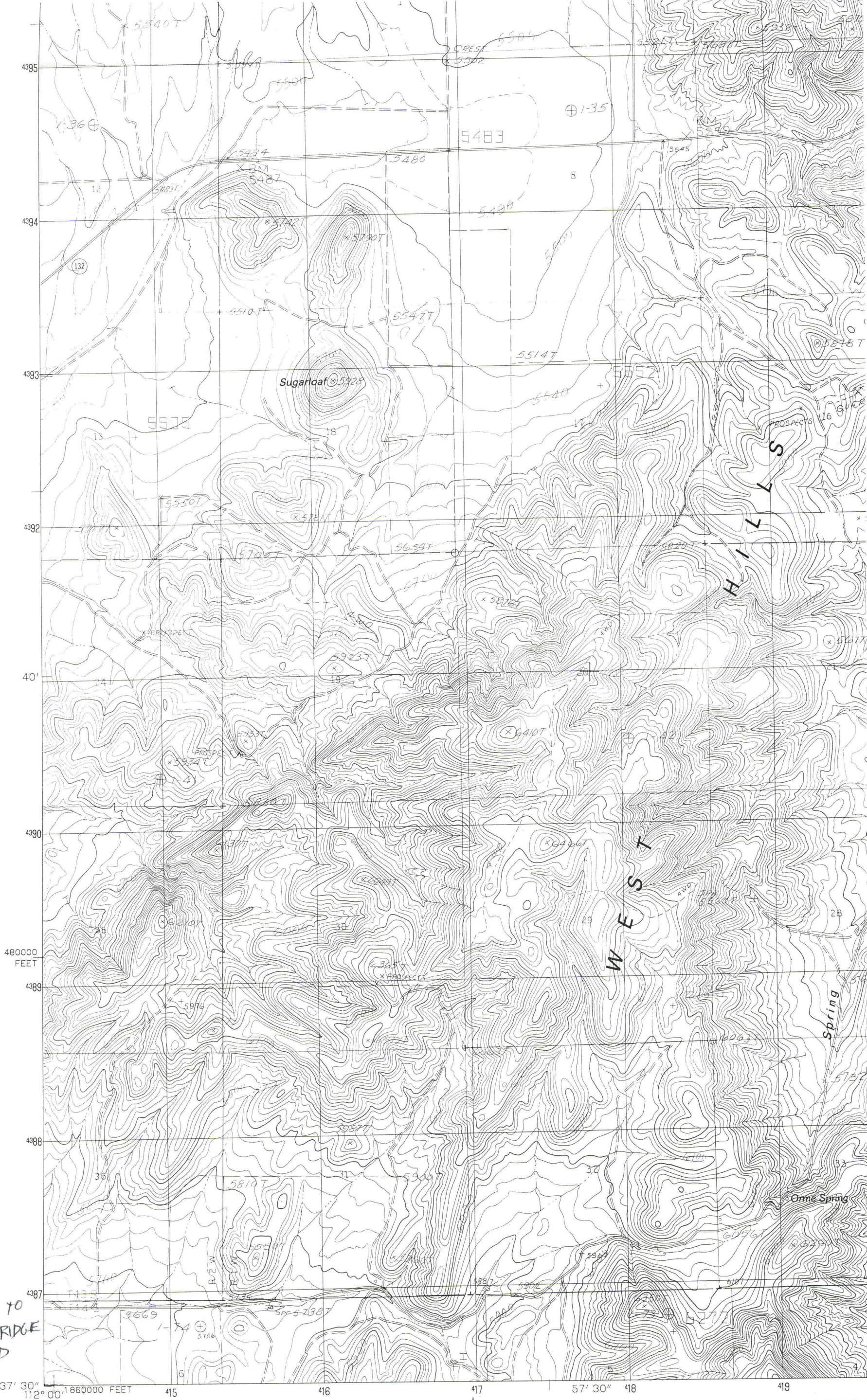
Photo #1 - Navajo Sandstone Quarry - May 14, 1987.
The vegetative transect was run on the toe of the slope
in the center of the photograph.

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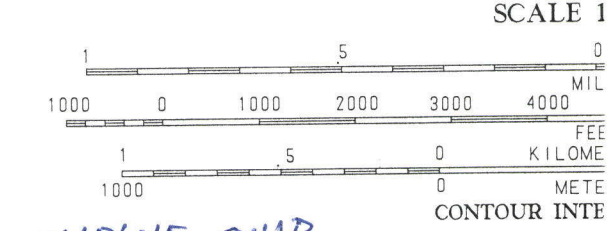
Photo #2 - Terry Kerby on the vegetation transect.

clj
cc: L. Braxton, DOGM
Southwest Portland Cement
1117R/76



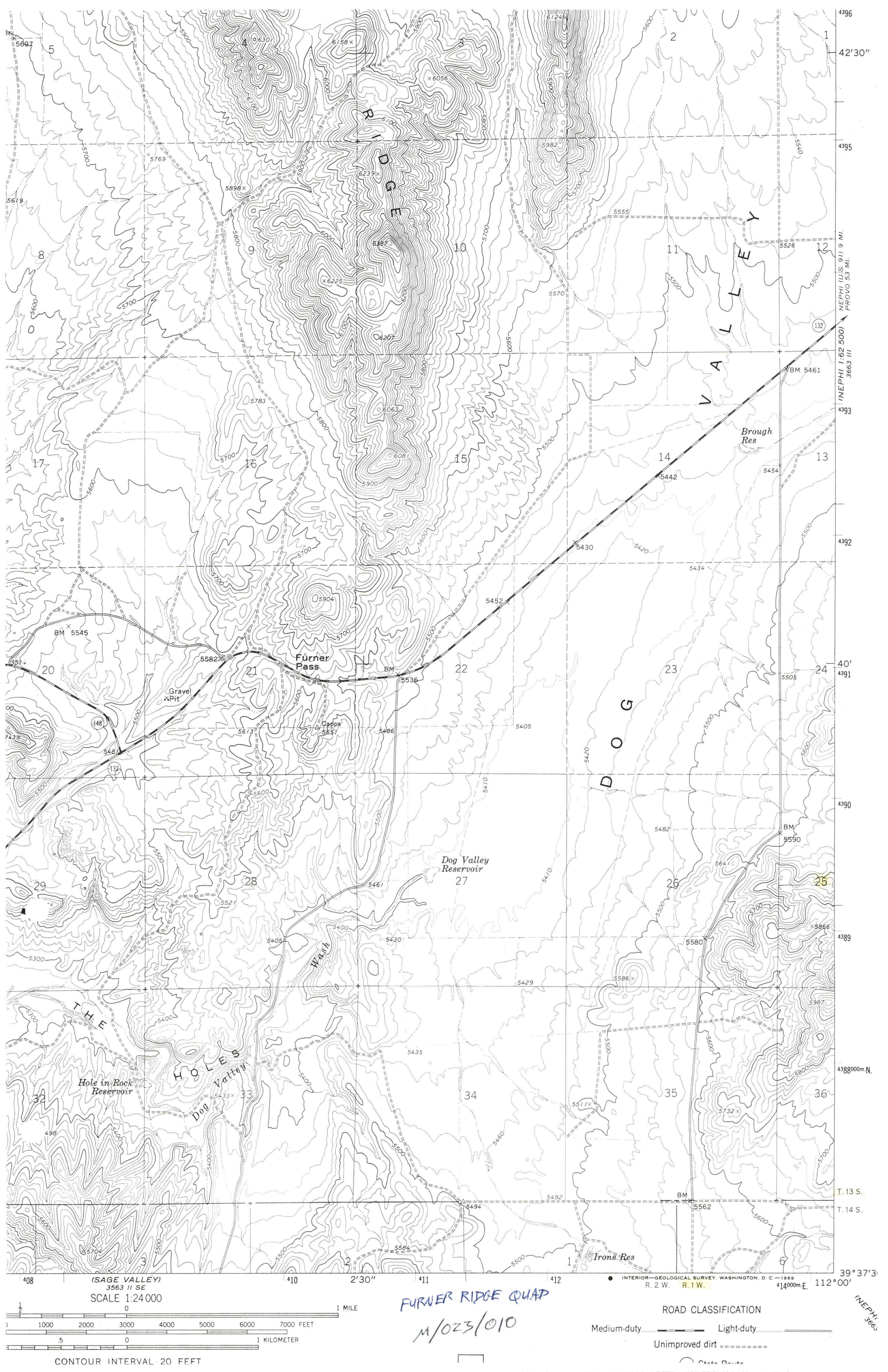
PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1975
FIELD CHECKED 1977 MAP EDITED 1983
PROJECTION LAMBERT CONFORMAL CONIC
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ZONE 12
10,000-FOOT STATE GRID TICKS UTAH, CENTRAL ZONE
UTM GRID DECLINATION 0°36' WEST
1983 MAGNETIC NORTH DECLINATION 15' EAST
VERTICAL DATUM NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM 1927 NORTH AMERICAN DATUM
To place on the predicted North American Datum of 1983,
move the projection lines as shown by dashed corner ticks
(8 meters north and 65 meters east)
There may be private inholdings within the boundaries of any
Federal and State Reservations shown on this map

PROVISIONAL MAP
Produced from original
manuscript drawings. Informa-
tion shown as of date of



SUGARLOAF QUAD
SUPPLEMENTAL CONTOUR

THIS MAP COMPLIES WITH NATION



FURRIER RIDGE QUAD

11/023/010

ROAD CLASSIFICATION

Medium-duty ——— Light-duty ———

Unimproved dirt =====

State Route

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1969
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